

$\gamma 1$ 

accccccaccccccaccccccagccggcgcccgcc  
↓  
cgcccccgccgggcccggctcgcccgaccgg  
gatccgcgcggcaggcgggccagcgactc  
ggagccc gagcccgagccgcagccgcgcctggg  
LF-2  
gcgcttgggtcgccctcgaggacaccggagaggg  
gcccacgcgcgtggccgcagaATG

*Fig. 1A* $\gamma 2$ 

gtcctttctgtgtttattccatctctccaaat  
↓  
atttggaaactgatgtcttgactcatgggttat  
↓  
tcacgattctgttacttcaagtcttttcttta  
acggattgatctttgctagatagagacaaaata  
LF-35  
tcagtgtgaattacagcaaaccatattccatgc  
tgttATG

*Fig. 1B*

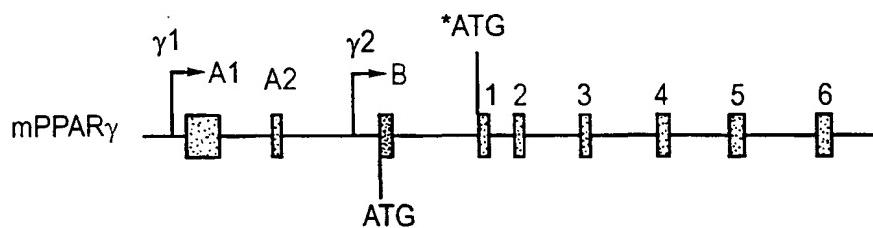


Fig. 2A

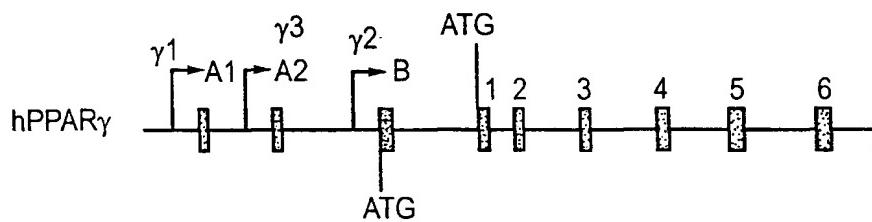


Fig. 2B

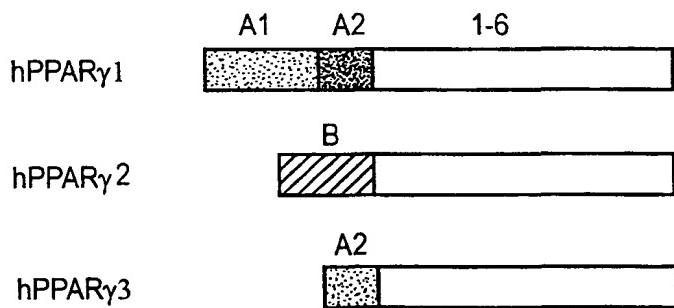


Fig. 3

## FIGURE 4

gagaatacag gcacatgccca ccatgcccag ctaattttc tgtttttgt agagacagga 60  
 tttcgctgtg gtgctcaggc tggctccaa ctccctggct caagcaatcc gcctgcctca 120  
 gccttccaaa gtgaaaagggt tttctctcat ttttcaaata gaagtactaa acaatgccag 180  
 agaaaataaat aaacaggcaa aatacgttgg ctatagttt tattatttcc tgctacagtt 240  
 aacaaaatgg gaagacattt tatcttcatg gtctactaca ttatgccat gtgttaagta 300  
 ataaaaatagc ttttgtaaat tataaaattaa aaggtacaga tttaaaagag aaaatactgt 360  
 agagtttca ttttagttaag actgtgtaga atgtcgggtc tcgatgttgg cgctattcaa 420  
 gccctgatga taaggctttt ggcatttagat gctgtttgt cttcatggaa aatacagcta 480  
 ttctaggatc cttgagcctt tcataagaga taagggttg aatcctaaga ccctaggacc 540  
 atttacttag atgatctgct ctctggttcg tcctctgaaa agtctgcctc gtgaggggtg 600  
 tgctgcattt gccttgccca agtgggttgg cacacaactg tactgtcacc ttaggcttaa 660  
 taaccatgtg tcatctagaa tgaagttata tttaaaaag gatcgttttt gccatgtata 720  
 aattttcaaa cattaacttt cagggttatt aatcccttta aggtctagtt tttcttaagt 780  
 ctgtgcagta atagaggtat cgtcattcat gtgacataaa agatggaaag gggcttcatt 840

ADD1/SREBP1 Site

catgttagtg atggaaatag gaaaggtaggt gaagtgattt taatagatgt ttcttttatg 900  
 aaataatattt taaaagattt tccagccctg catgattttt gatgaatcat tttgtggct 960  
 gtagttact tttagagaat agaaagcatt gtaggctcag ggaaagcaaa cattcagaat 1020  
 gaaatccaat agagaaggta aatttatttg ggcattgtaca ttttggcagc ctaggctgtg 1080

C/EBP Site

tacatgtgta cacattctga acatgtgtgt atattgaaaa tcttgcctct ttatttatttg 1140  
 TATA Box

taagA'TTGAA AAGAAAGCCGA CACTAACCCA CCAATATACA ACAAGGCCAT TTTCTCAAAC 1200

&lt;---

GAGAGTCAGC CTTAACGgt aagtaaaatc agaatttata ctgcatttgc attgaaaagt 1260

-----

LF-60 Oligo

atccctttta aagaatatgt aaatttataca ttgttattttt attgtaaaat ttccttagaga 1320  
 gtgatttttgc actattataa tactttctgc tatataattt tccagtcagt tgactatgc 1380  
 agtgaacat atttgtctaa cacaaaacaa agttaagata ggaaaatgac ctagaagttg 1440  
 agaaaataact caaatcctta aaa 1433

## FIGURE 5

ccccctgcccc tgcccccgtcc cccacccca cccccacccc caccccaggc cggcgccccgc 60  
CACC Box  
gcccccccc gcgccggggcc cggctcgccc cgacccggtt ccgcccgggg caggcggggc 120  
Sp1 site  
ccagcG'CACT CGGAGCCCCGA GCCCGAGCCG CAGCCGCCGC CTGGGGCGCT TGGGTCGGCC 180  
TCGAGGACAC CGGAGAGGGG CGCCACGCCG CCGTGGCCGC Aggtcagagt acgggtgcc 240  
gccccgctcg ggaaccggct gctgcctggg cggggaggtgc tcagggaggg ggcgcggagg 300  
gctggggcccg agggtctggg gggtagggcc gagaaaaacgg caactgacgg ggtcccagac 360  
ggatgagagc tggggagaag ggggtctcg ctgaggggtc cggggctgag gcacggcat 420  
ggtccggcag gacccggact gacgggtctc gggcgggcgg ctcacgggtg accgggtgaa 480  
tgggtctcg gctgacggca ccc 503

## FIGURE 6

ggagctccac gcgggtggcgg ccgctctaga actagtggat cccccgggct gcaggaattc 60  
 gaggctgcag tgaactatga ttgcaccact gcactccagc ctgggtgaga gagcaatacc 120  
 ttgtctcaaa acaaacaacaa acacaaaacc ccatgagata tcacttcata ccctttaggt 180  
 tggctaaaat aaaaaagact ataacaagtg ttgacaagga tgtggaaaaa ctggAACCT 240  
 gacacattgc tgggtggatt gtaaaatggt gtggccactt tgaaaacag actggcagtt 300  
 cctcaaaaac accgagttac gttatgatcc tgcaGTTCTG tccctaggtataactcaag 360  
 agaaataaaaa atatatgtcc acaagtaacc ttgtacatga atgctcacag cagcattatt 420  
 cataatagcc cataaaaagta gaaacaacct aaatatccat caattcatgg gatgaataaa 480  
 caaaatgtgg tataatgtgtat taatggataa ttgaccataa aaaggaatga aatattaata 540  
 taagctataa catggatgag cctccacaaa tactatgcta agtggaaagaa gaaagtccaca 600  
 aaggacttca tattctatga ttctatttat atgaattgtc cagaataggt aaatctata 660  
 agaaagaata tctctatcta gagttgggaaatgactgtt aatggagagg gggttccctt 720  
 ttggagtgtat gaaaatgttc taagggtaga tttgggtatg atggcacaac tctgtcaata 780  
 aactaaaact cattgaactg tacatTTTt ttatTTTttt ttgagatgga gtcttgctct 840  
 ggggctgaag tgcagtggcg caatctccgc ttgtaacctc tgcccccag ggtcaagcga 900  
 ttctactgcc tcagcccccc gagtagctga gattacaggc acgtgccacc acgcccagct 960  
 aatTTTgtat tttcttagta gagatggagt ttcaccatgt tggccaggct ggtcttgaac 1020  
 tccccgcctc aagtgtatcca cctgcctcgg cctcccaaaag tgctgggatt acaggcgtga 1080  
 gctgccatac ccggcctgaa ttgtacatt tacttctatg gtatTTTcat tttagattat 1140  
 attaattatt cctcaataaa gctgtgatTTT taaaaagcag gctaggcgc gttggctggg 1200  
 cctataatcc cagcactttg gaaagctgag gcaggaggat cacttgagcc caggagttc 1260  
 agactagttt agggcaacatg tcaagacaca gtctctacta aacaattaaaa attaaaaaaaa 1320  
 aaaatttagcc aggcatggtg gtgtgcaccc ttagtcccag ctacttgggaa gcctggggtg 1380  
 ggaggattcc ttgagccccgg gaagtcgagg ctgaagtggc ccgtgattgc gcccacagcac 1440  
 tccagcctgg ggcacacacgca aacaccctgt ctcatggaaag aaagaaaagaa aagaaaaggaa 1500  
 gaaagaaaaaa aaaaaaagcag attggaactc tggaaattaaac aagaagttagg acgcacggag 1560  
 cacttccggc tgagtggaga ctgtggatcc gggtaaccc gactaccta atcacaggcc 1620  
 aataaatgtt ctTCAGTGG tcagtcctg taagatccgt ggctctcage ttcttatctt 1680  
 aggggctgtg gaggaggac atgattatgt tgatTTAAGC gctgaatatt ttcccttgg 1740  
 ataccatcc tcgcaaaact ttgttcaac cacaacgag gaccttctgt accagagggg 1800  
 caataacaca atgaagctag gaagaaatgc agaccccccc agcatacagt ccataagctt 1860  
 cctgaagtgg ggggctcag gcatcgctgc ctccccaaag aggatcaggc ccagaacagt 1920  
 atgctccaga aataagactg gaaaaaggaa aagaggggca tcaagtccag gagaccagcg 1980  
 gctttctgaa cgccacactg ccaacccact ttggacaggt cacgtggac agcgtggcag 2040  
 gaaaagaaaa ggtcaactgtc taccacac atgagaaact gtttctcgtg cctcacgtcc 2100  
 ccactccgtc cccacccatg ttgtctgagt ccctcggtgt cagaaacact gctaagaaaat 2160  
 ttaagaaatt ctgttaatga gtttaagaaa tgTTTTtaat gattaatgt cagtgacttg 2220  
 tgaataacca tgtaacttac aaacgcaagg aactctgaaa gtgtgcagca ccaccgatca 2280  
 gaagagaaaa ccaagggacc cgaaatatgc tttaattaaa ttTCTTTaaatgtcaact 2340  
 ggaaagaaca tcttggaaag acggcctggc cgatcgccgt gtgaagggca agccactctg 2400  
 gccgagaggg agccccacac ctggctcc ccagaccggc cctggccggg ggcaccccc 2460  
 taaacttcgg atcccttctc ggaaatggga ccctctctgg gcccctcccc agcgtgggtg 2520  
 gcgaggagca aacgacacca ggtagctgcc gcggggcaga gagtggacgc gggaaagccg 2580  
 gtggctcccg ccgtggggccc tactgtgcgc gggcggcggc cgagccccc cccgctccctc 2640  
 ccagtcgcgc gccggccccc gcccctgtt tgggttcatg ggggggtg 2688

## FIGURE 7

gaattcaact gaatatagag aaaactaatt ttacacaact gtaatcactg tagtcattt 60  
 gacaaattag caaacccaaag ttttgcctta acttggattg ccttaataaa gatgtttgg 120  
 ggcttaatgg cacagttgct caactcccc actttattcc gtgatgtca gaccaggcca 180  
 gcatttcccc atcaggctct tgcaccatga ttgacaggga cactttact agtcccccttg 240  
 aagaatgaat agttactcaa tggagattaa ccagatataat atttatttta ctcagaatat 300  
 cacgataagt ataattcaga gaattattgc cttctaataat actgcccgt gtgggggcgt 360  
 ctttgaaggt ccgcaaagtc actgcaattc taataggcca ctcatgtgac aagacctgct 420  
 cccacatcg taatttggca cagctagtat ttcccttgc caaaaaggc aaaggccttg 480  
 agcaagaagc cagcttttc ctgattacaa aactgaccac aattcctcgc caacctaaca 540  
 gcttaagtct attttttct ggtgggtgtt tattttctc atagagaact ccatttttc 600  
 attatgacat agcacttatac gtttaaacat caattgtat tcaaaccatca gctgggttaa 660  
 cattgctgca gttgttattt atggataagc tgaagtttt aagaaagcaa acccgatgt 720  
 taaaatttggaa accagatcaa acccttcttc attctcagct atttaattt acagaattt 780  
 gatagcagtc agtattcattt tgggcttcac aaatcagtag agtaagtttcc 840  
 aacatttcag tagcatgctg ataccaacgt ttaaactatg gatacatatt tgaatttcaa 900  
 atttttcttc agataatgtt atttagagatt agagattcaa ccaggatag acaccgaaag 960  
 aaaactttgc ccaaataagc tttctggat ttcataagca agagattaa gttttccatt 1020  
 taagaagcca ttgtgaatta tacaacaata aaaaatgcaa gtggatattt aacagtctct 1080  
 tctctgataa ttctaaatac agtacagttc acggccctca cgagacactg aacatgtgg 1140  
 caccggcgag acagtgtggc aatattatcc ctgtaatgtt ccaagtctt ccagagcagt 1200  
 gaacattatg acacaacttt ttgtcacagc tggctctaa taggacagtg ccagccaaattt 1260

TATA like Box

caagcccagt ctttctgtg tttattccca tctctccaa atattttggaa actgtatgtct 1320  
 C/EBP Site

**T'GACTCATGG GTGTATTAC GATTCTGTTA CTTCAAGTCT TTTTCTTTA ACGGATTGAT 1380**

AP-1 Site

CTTTTGCTAG ATAGAGACAA AATATCAGTG TGAATTACAG CAAACCCATA TTCCATGCTG 1440

**TTATGGGTGA AACTCTGGGA GATTCTCCTA TTGACCCAGA AAGCGATTCC TTCACTGATA 1500**

Met

CACTGTCTGC AAACATATCA CAAGgtaaag ttccctccag atacggctat tggggacgtg 1560  
 ggggcattta tgtaaggta aaattgctct tggatgttgc tttccagggtt gtgtttgttt 1620  
 taataactatc atgtgtacac tccagtttt taatgcttag ctcgttgcata tcgcgttcat 1680  
 ttaaaaaacat gttcagaacc tttttttttttaaagg aaacctaacc taatctatct tatctctgtg 1740  
 catggctccc attttccatgaa tttaagcat taaaggata gttatatacc aaaacaatcc 1800  
 tggatgttgc tttttttttttaaagg aatacataat ggttttttag 1860  
 acttgaagggtt tcaactttcc tttttttttttaaagg agatctctca taactgtgtt 1920  
 atccctcttgc cagcaattttt attcccttttgc aatacctcgtt ctttttttttgc ttcttatttttgc 1980  
 aatacataatggttgc acttcaacttttgc ttttttttttgc ttcttatttttgc 2040  
 acaag

2045